

1) Family number: 28830990 (WO03057740 A1)

Title:

ORGANIC DISPERSIONS OF SURFACE-MODIFIED NANOPARTICLES, METHOD FOR THE PRODUCTION AND USE THEREOF

Title:(2):







ORGANISCHE DISPERSIONEN VON OBERFLÄCHENMODIFIZIERTEN NANOPARTIKELN, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Priority:
priority flag

DE20021000928 20020112 WO2002EP14569 20021219

Family:

[family explorer](#)

Publication number	Publication date	Application number	Application date	Links
AU2002358768 A4	20030724	AU20020358768	20021219	 
DE10200928 A1	20030925	DE20021000928	20020112	 
WO03057740 A1	20030717	WO2002EP14569	20021219	 

Assignee(s):(std):

BASF COATINGS AG ; BAUMGART HUBERT ; HOMMES PETER ; ROECKRATH ULRIKE ; STUEBBE WINFRIED

Inventor(s):(std):

BAUMGART HUBERT ; HOMMES PETER ; ROECKRATH ULRIKE ; ROECKRATH ULRIKE ; STUEBBE WINFRIED ; STUEBBE WINFRIED ; STUEBBE WINFRIED

Inventor(s):

ULRIKE ROCKRATH ; WINFRIED STUEBBE ; HUBERT BAUMGART ; PETER HOMMES

Designated states:

AE AG AL AM AT AU AZ BA BB BE BG BJ BR BY BZ CA CF CG CH CI CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK MN MI MR MW MX MY NZ NO NZ OM PH PL PT RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZH ZW

International class (IPC

8):

C08F2/44 C08F222/10 C08G18/62 C08G18/80 C08G18/81 C09D133/06 C09D135/06 C09I133/08

C09I135/06 (Advanced/Invention);

C08K9/04 (Advanced/Non-invention);

C08F2/44 C08F222/00 C08G18/00 C09D133/06 C09D135/00 C09I133/06 C09I135/00 (Core/Invention);

C08K9/00 (Core/Non-invention)

International class (IPC

1-7):

B01F17/00 B01F3/00 B01J13/00 B28B3/00 C08F2/44 C08K9/00 C09D7/12 C09I133/08

European class:

C08F2/44 C08F222/10B C08G18/62G6D C08G18/80H50 C08G18/80H9 C08G18/81K3B4 C09D133/06 C09D135/06 C09I133/06 C09I135/06

Cited documents:

EP0872500, DE19540623,

Abstract:

Source: WO03057740A1 The invention relates to dispersions of surface-modified nanoparticles that are obtained by subjecting to a strong shearing action (1) a mixture that contains (A) nanoparticles, (B) an amphiphilic and (C) a compound comprising at least two groups that can be activated by actinic radiation, and then subjecting the mixture (1) to a weak shearing action (2) together with a mixture that contains (D) a compound of the general formula (Sol-)mM(R)n(H)p (I), and (E) water. In this general formula, S is a reactive functional group; L is an at least

divalent linking group; H is a hydrolyzable group or a hydrolyzable atom; M is a bi- to hexavalent main group or sub-group metal; R is an organic group; o is an integer of from 1 to 5; m + n + p is an integer of from 2 to 6; p is an integer of from 1 to 6; and m and n are zero or an integer of from 1 to 5. The invention also relates to a method for producing these organic dispersions and to the use thereof.

1-1 of 1